

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An image display device, comprising:

a display panel which has a plurality of pixel sections each of which includes at least a pixel displaying an image for ~~the~~ a first viewpoint and a pixel displaying an image for ~~the~~ a second viewpoint, said pixel sections being provided periodically in one direction, and said display panel comprising an image surface on which the plurality of pixels are displayed,

an optical unit which refracts the light emitted from said pixels and emits the light in directions different from each other, and

an adhesive layer which is provided on a part of an area enclosing an image display area of said display panel to fix the optical unit and the display panel in line,

wherein the display panel and the optical unit are aligned so that light emitted from the pixel displaying an image for the first view point is refracted and emitted by a specific region of the optical unit to arrive at said first view point, and

wherein the adhesive layer affixes the optical unit directly on the image surface of the display panel; and

wherein said optical unit is a lenticular lens having a plurality of semicylindrical lenses, a longitudinal direction of which is perpendicular to said one direction, or a fly-eye lens having a plurality of convex lenses in which a lens pitch in said one direction and the lens pitch in a direction perpendicular to said one direction are different from each other, and said adhesive

layer is provided along at least one side extending only in a longitudinal direction of said convex lens or the longitudinal direction of said semicylindrical lens in said optical unit~~such that a positional relationship between the specific region of the optical unit and the pixel displaying an image for the first view point of the display panel is maintained while permitting a difference in expansion or contraction between the optical unit and the display panel so as to permit deflection of the optical unit due to expansion and contraction of a material of the optical unit.~~

2. (canceled)

3. (currently amended): An image display device, comprising:
a display panel which has a plurality of pixel sections each of which includes at least a pixel displaying an image for a first viewpoint and a pixel displaying an image for a second viewpoint, said pixel sections being provided periodically in one direction, and said display panel comprising an image surface on which the plurality of pixels are displayed,
an optical unit which refracts the light emitted from said pixels and emits the light in directions different from each other, and
an adhesive layer which is provided on a part of an area enclosing an image display area of said display panel to fix the optical unit and the display panel in line,
wherein the display panel and the optical unit are aligned so that light emitted from the pixel displaying an image for the first view point is refracted and emitted by a specific region of the optical unit to arrive at said first view point,
wherein the adhesive layer affixes the optical unit directly on the image surface of the display panel~~The image display device according to claim 1, and~~

wherein said optical unit is a lenticular lens having a plurality of semicylindrical lenses, a longitudinal direction of which is perpendicular to said one direction, or a fly-eye lens having a plurality of convex lenses in which a lens pitch in said one direction and the lens pitch in a direction perpendicular to said one direction are different from each other;

wherein said adhesive layer is provided along ~~the at least one side of a frame~~ extending only in a direction orthogonal to a longitudinal direction of ~~said a~~ convex lens or ~~the a~~ longitudinal direction of ~~said a~~ semicylindrical lens in said optical unit.

4. (currently amended): An image display device, comprising:
- a display panel which has a plurality of pixel sections each of which includes at least a pixel displaying an image for a first viewpoint and a pixel displaying an image for a second viewpoint, said pixel sections being provided periodically in one direction, and said display panel comprising an image surface on which the plurality of pixels are displayed,
- an optical unit which refracts the light emitted from said pixels and emits the light in directions different from each other, and
- an adhesive layer which is provided on a part of an area enclosing an image display area of said display panel to fix the optical unit and the display panel in line,
- wherein the display panel and the optical unit are aligned so that light emitted from the pixel displaying an image for the first view point is refracted and emitted by a specific region of the optical unit to arrive at said first view point,
- wherein the adhesive layer affixes the optical unit directly on the image surface of the display panel, and~~The image display device according to claim 1,~~

wherein said optical unit is a fly-eye lens having a plurality of convex lenses in which a lens pitch in said one direction and ~~the~~ a lens pitch in a direction perpendicular to said one direction are equal to each other, and said adhesive layer is provided along at least a short side of said optical unit.

5. (currently amended): An image display device, comprising:
a display panel which has a plurality of pixel sections each of which includes at least a pixel displaying an image for a first viewpoint and a pixel displaying an image for a second viewpoint, said pixel sections being provided periodically in one direction, and said display panel comprising an image surface on which the plurality of pixels are displayed,
an optical unit which refracts the light emitted from said pixels and emits the light in directions different from each other, and
an adhesive layer which is provided on a part of an area enclosing an image display area of said display panel to fix the optical unit and the display panel in line,
wherein the display panel and the optical unit are aligned so that light emitted from the pixel displaying an image for the first view point is refracted and emitted by a specific region of the optical unit to arrive at said first view point,
wherein the adhesive layer affixes the optical unit directly on the image surface of the display panel, and

~~The image display device according to claim 1,~~ wherein said optical unit is a fly-eye lens having a plurality of convex lenses in which a lens pitch in said one direction and ~~the~~ a lens pitch in a direction perpendicular to said one direction are equal to each other, and said adhesive layer is provided along at least a side orthogonal to a short side of said optical unit.

AMENDMENT UNDER 37 C.F.R. § 1.111
Application No.: 10/787,172

Attorney Docket No.: Q80096

Claims 6-51 (canceled)